

LIST OF REFERENCES CITED BY APPLICANT

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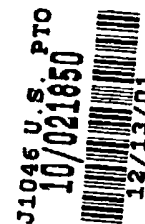
DOCKET NO.: 3153/1F570-US3

APPLICANTS: Stephen QUAKE and Wayne D. VOLKMUTH

SERIAL NO: To be assigned

FILING DATE: Concurrently Herewith

TITLE: METHOD FOR ANALYSIS AND SORTING OF POLYNUCLEOTIDES



U.S. PATENT DOCUMENTS

<u>*EXAMINER INITIALS</u>	<u>DOCUMENT NUMBER</u>	<u>DATE</u>	<u>NAME</u>	<u>CLASS</u>	<u>SUBCLASS</u>	<u>FILING DATE</u>
An	1.	5,726,404	3/10/98	Brody	200 81	5/31/96
An	2.	5,512,131	4/30/96	Kumar et al.	156 655.1	10/4/93
An	3.	5,558,998	9/24/96	Hammond et al.	435 6	6/5/95
An	4.	5,856,174	1/5/99	Lipshutz et al.	435 286.5	1/19/96
An	5.	5,922,591	7/13/99	Anderson et al.	435 287.2	6/27/96
An	6.	5,932,100	08/03/99	Yager et al.	210 634	6/14/96
An	7.	5,661,222	08/26/97	Hare	525 478	4/13/95
An	8.	5,454,472	10/03/95	Benecke et al.	209 127.1	8/19/92
An	9.	5,452,878	09/26/95	Gravensen et al.	251 129.02	6/17/92
An	10.	5,417,235	05/23/95	Wise et al.	137 1	7/28/93
An	11.	5,304,487	04/19/94	Wilding et al.	435 291	5/1/92
An	12.	4,585,209	04/29/86	Aine, et al.	251 129.02	10/27/83
An	13.	4,581,624	04/08/86	O'Connor	357 26	3/1/84
An	14.	5,271,724	12/21/93	van Lintel	417 413	8/21/91
An	15.	2,656,508	10/20/53	Coulter	324 71	8/27/49
An	16.	5,852,495	12/22/98	Parce	356 344	09/30/97
An	17.	4,908,112	03/13/90	Pace	204 299	6/16/88
An	18.	5,750,015	03/12/98	Soane et al.	204 454	3/13/96
An	19.	5,726,751	03/10/98	Altendorf et al.	356 246	3/10/98
An	20.	5,885,470	03/23/99	Parce et al.	216 33	4/14/97
An	21.	5,800,690	09/01/98	Chow et al.	204 451	7/3/96
An	22.	5,702,618	12/30/97	Saaski et al.	216 2	5/19/95
An	23.	5,637,469	06/10/97	Wilding et al.	435 7.21	11/30/94
An	24.	5,304,487	04/19/94	Wilding et al.	435 291	5/1/92
An	25.	5,164,598	11/17/92	Hillman et al.	250 341	2/5/91
An	26.	5,126,022	06/30/92	Soane et al.	204 180.1	2/28/90
An	27.	4,675,300	06/23/87	Zare et al.	436 172	9/18/85
An	28.	5,632,876	05/27/97	Zanzucchi et al.	204 600	6/6/95
An	29.	5,880,071	03/09/99	Parce et al.	204 453	12/6/96
An	30.	5,140,161	08/18/92	Hillman et al.	250 341	7/23/91

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an	31.	5,681,484	10/28/97	Zanzucchi et al.	216 2	5/31/95
an	32.	5,486,335	01/23/96	Wilding et al.	422 55	4/24/95
an	33.	5,571,410	11/05/96	Swedberg et al.	210 198.2	6/7/95
an	34.	5,500,071	03/19/96	Kaltenbach et al.	156 272.8	10/19/94
an	35.	5,869,004	02/09/99	Parce et al.	422 100	6/9/97
an	36.	5,580,523	12/03/96	Bard	422 50	4/1/94
an	37.	5,498,392	03/12/96	Wilding et al.	422 68.1	9/19/94
an	38.	5,646,039	07/08/97	Northrup et al.	435 287.2	6/6/95
an	39.	5,639,423	06/17/97	Northrup et al.	122 50	8/31/92
an	40.	4,963,498	10/16/90	Hillman et al.	436 69	1/15/88
an	41.	5,589,136	12/31/96	Northrup et al.	422 102	6/20/95
an	42.	5,904,824	05/18/99	Oh	204 601	3/7/97
an	43.	5,757,482	05/26/98	Fuchs et al.	356 246	4/20/95
an	44.	5,716,852	02/10/98	Yager et al.	436 172	3/29/96
an	45.	5,641,400	06/24/97	Kaltenbach et al.	210 198.2	10/23/95

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
an	46.	WO 98/52691	11/26/98	PCT		X
an	47.	GB-2264496	09/01/93	United Kingdom		X
an	48.	WO 97/38300	10/16/97	PCT		X
an	49.	WO 95/33846	12/14/95	PCT		X
an	50.	WO 94/05414	03/17/94	PCT		X
an	51.	WO 96/04547	02/15/96	PCT		X
an	52.	WO 97/02357	01/23/97	PCT		X

OTHER REFERENCES

(INCLUDING AUTHOR, TITLE DATE, PERTINENT PAGES, ETC.)

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*EXAMINER
INITIALS

53. Petty, Jeffrey T., et al., Characterization of DNA Size Determination of Small Fragments by Flow Cytometry, *Anal. Chemistry* **67**, 1755-1761 (1995).
54. W. D. Volkmuth, et al., DNA electrophoresis in microlithographic arrays, *Letters to Nature* Vol. **358**, August 13, 1992, p. 600-602 (1992).
55. Bein, Thomas, Efficient Assays for Combinatorial Methods for the Discovery of Catalysts, *Angew. Chem. Int. Ed.* **38**:3, 323-26 (1999).
56. J. Affholter and F. Arnold, "Engineering a Revolution," *Chemistry in Britain*, April 1999, p.48.
57. F. H. Arnold, *Acct. Chem. Research* **31**, 125-131 (1998).
58. Y. Xia et al., *Angewandte Chemie International Edition* **37**, 550 (1998).
59. H. P. Chou, A. Scherer, C. Spence, S. R. Quake, *Proc. Natl. Acad. Sci. USA* **96**: 11-13 (1998).
60. Hoffmuller, U. & J. Schneider-Mergener, *Angew. Chemie. Int. Ed.* **37**, 3241-3243 (1998).
61. J. P. Nolan, L. A. Sklar, *Nature Biotechnology* **16**, 633 (1998).
62. Jermutus, L., L. A. Ryabova & A. Pluckthun, *Curr. Opin. Biotechnol.* **9**, 534-548 (1998).
63. L. A. Sklar, *Proc. SPIE* **3256**, 144 (1998).
64. M.U. Kopp et al., *Science*, **280**: 1046 (1998)
65. S. Fiedler, et al. *Analytical Chemistry* **70**, 1909-1915 (1998).
66. Tawfik, D. and Griffiths, A. *Nat. Biotechnol.* **16**, 652- 656 (1998).
67. Hanes, J. & Pluckthun A. *Proc. Natl. Acad. Sci., USA* **94**, 4937 (1997).
68. Li, P.H. et al., *Analytical Chemistry* **69**, 1564 (1997).
69. Roberts, R. W. & Szostak, J. W. *Proc. Natl. Acad. Sci USA* **94**, 12297-12302 (1997).
70. Stemmer, W. P. C. *Nature*, **370**, 389 (1994).
71. Castro, A., et al., *Anal. Chem.* **65**:849-852 (1993).
72. Harrison, D.J. et al., *Science*, **261**: 895 (1993).
73. Goodwin, P.M., et: al., *Nucleic Acids Research* **21**(4):803-806 (1993).
74. Manz et al., *Trends in Analytical Chemistry* **10**: 144-149 (1991)
75. A. Ashkin, J. M. Dziedzic, *Science* **235**, 1517 (1987).
76. A. Ashkin, J. M. Dziedzic, *Nature* **330**, 769 (1987).
77. T. N. Buican, M. J. Smyth, H. A. Verissman, *Applied Optics* **26**, 5311 (1987).
78. Krutenat, R.C., Kirk-Othmer Concise Encyclopedia of Chemical Technology, John Wiley & Sons, New York (1985).
79. Angell et al., *Scientific American* **248**:44-55 (1983).
80. Thompson, L.F., "Introduction to Lithography", ACS Symposium Series **219**:1-13, (1983).
81. M. J. Fulwyer, *Science* **156**, 910 (1974).
82. Ballantyne, J.P., et al., *J. Vac. Sci. Technol.* **10**:1094 (1973).
- pp. 749-752

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83. M. A. Van Dilla, T. T. Trujillo, P. F. Mullaney, *Science* 163, 1213 (1969).
84. L. A. Kamensky, M. R. Melamed, H. Derman, *Science* 150, 630 (1965).
85. P. J. Crosland-Taylor, *Nature (London)* 171, 37 (1953).
86. A. Moldavan, *Science* 80, 188 (1934).
87. M. R. Melamed, T. Lindmo, M. L. Mendelsohn, *Flow Cytometry and Sorting* (Wiley-Liss Inc., New York City, 1990).

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Alb. Hagerola

DATE CONSIDERED:

12/09/04

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Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.